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In the Claims:

Please add new claim 17 as follows:

Sub 17
CV

17. (New) A lithium secondary battery comprising:
an electrode unit produced by winding or laminating a positive electrode and a negative electrode via a separator, and
a non-aqueous electrolytic solution containing a lithium compound as an electrolyte, wherein a cumulative concentration of water (H₂O), determined using Karl Fischer's method after sealing the battery, or after completion of the assembly of the battery, released from both of said positive electrode and said negative electrode in relation to the weight of said electrode unit, exclusive of current collectors, is suppressed to 5,000 ppm or lower in case of heating both electrodes at 25 to 200°C and to 1,500 ppm or lower in case of heating said electrodes at 200 to 300°C.